

**GEORGIA DEPARTMENT OF TRANSPORTATION  
OFFICE OF MATERIALS AND TESTING**

**Standard Operating Procedure (SOP) 22—Bituminous  
Acceptance of Asphalt Rubber Joint and Crack Sealant and Mastic  
Materials**

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**I. General**

As an aid to construction and maintenance personnel, the Office of Materials and Testing maintains a Qualified Products Manual. This Standard Operating Procedure provides guidelines to establish Qualified Products for the use of Asphalt Rubber Joint and Crack Sealant and governs the following Qualified Products Lists (QPL) which are included in this manual:

<b>QPL</b>	<b>Item</b>
QPL-92A	Asphalt Rubber Joint and Crack Sealant Type M
QPL-92B	Asphalt Rubber Joint and Crack Sealant Type S
QPL-92C	Asphalt Rubber Joint and Crack Sealant PMAR
QPL-92D	Joint and Crack Mastic Material

Products that appear on these lists have been evaluated by the Office of Materials and Testing or the Office of Maintenance and have meet the appropriate Georgia Department of Transportation Specification. Any of these products may be used without sampling or pre-testing provided the field engineer determines the product is uncontaminated and undamaged. However, products normally shipped as packaged units may not be used if the units have been partially expended prior to arrival on the project. The field engineer must ascertain that the construction item is the same material identified on the appropriate Qualified Products List and will acknowledge receipt of these items in the project diary or as required by the Construction Manual.

It shall be the responsibility of the Office of Materials and Testing to monitor products covered by SOP-22. The Office of Materials and Testing will update the Qualified Products Manual a minimum of once every twelve months. Representatives from the Office of Materials and Testing may visit the producer's plant or warehouse or construction or maintenance projects, at unscheduled times, to obtain random samples of items covered by this SOP. Products that consistently produce test results that significantly vary from those established by the manufacturer and verified by the Office of Materials and Testing will be removed from the applicable Qualified Products List. Products that meet the current requirements of the Specifications but do not perform satisfactorily in the field will be removed from the applicable Qualified Products List. Products that meet current requirements of the Specifications but were not submitted for annual evaluation upon request by the Department will be removed from the applicable Qualified Products List. Removal from the applicable Qualified Products List will prohibit the use of the product in Georgia Department of Transportation work until the acceptability of the product is re-established. Products that have not been used in Georgia Department of Transportation Construction or Maintenance work for a period of twelve months will, at the Department's discretion, be removed from the applicable Qualified Products List. The Department reserves the right to limit the number of products for each type material from any manufacturer.

The Department may reject any product deemed by the State Materials Engineer to be hazardous to personnel in handling and testing.

## **II. Requirements**

### **A. Manufacturers and Producers**

Manufacturers and Producers must adhere to the following requirements:

Samples may be submitted for Initial Evaluation at any time. Products covered by SOP 22, currently approved by the Department and listed in the Department's Qualified Products Manual must be submitted for Annual Evaluation. Annual samples must be submitted in accordance with SOP 22 to the Office of Materials and Testing by the date listed for each QPL as detailed below.

- QPL-92A by January 10
- QPL-92B by January 10
- QPL-92C by January 10
- QPL-92D by January 10

When submitting a sample, the Office of Materials and Testing requires the following:

- A Product Evaluation Form (attached) must be submitted for initial and annual evaluation, listing each sample submitted for evaluation.
- A Materials Safety Data Sheet (MSDS) and a Warranty letter, as described in Section II-C, must be submitted with each sample for initial and annual evaluation.
- A Production Quality Control Plan for each product must be submitted for the initial evaluation or upon request.

The sample and required documentation should be sent to the following address:

**Georgia Department of Transportation  
Office of Materials and Testing  
15 Kennedy Drive  
Forest Park, GA 30297-2599  
Attn: Bituminous Control Manager, Room 209**

### **B. Independent Lab Evaluation**

Test results from a private lab are required on some items before the Office of Materials and Testing will begin its evaluation. As a matter of information, any available test results, product data sheets, MSDS, and independent lab evaluation and certification should be furnished when submitting a product for initial evaluation.

### **C. Annual Warranty**

The manufacturer or producer must submit an annual warranty for each product before being added to the Qualified Products Manual. The warranty shall be submitted on company letterhead and contain the following: Appropriate QPL warranty statement from Section III through Section V followed by the additional statement below, signed by a person legally responsible to bind the company, and notarized.

The following additional warranty shall be included as the latter part of every warranty:

*"We further warrant that material furnished to State of Georgia projects will be replaced without cost to the purchaser and State of Georgia when found not in conformity with any of the specified requirements. We accept full responsibility for determining the governing Specification for each order, provided we are given notice of revised Specifications, and we warrant that the material currently being furnished is identical in formulation, composition, and properties as the material originally submitted for source approval."*

### **D. Identification of Products**

Brand name, type, and lot or batch number, date of manufacture, and any other pertinent information must identify submitted products. The manufacturer will be expected to conduct sufficient tests and maintain product control records to verify that production is adequate to assure Specification compliance. It will be required that the manufacturer notifies the Office of Materials and Testing of any change in formulation or composition of any of their products in the Qualified Products Manual and submit samples for re-evaluation.

### **E. Company Product Labels**

Product labels must be unique to the company wishing to list its products in the Qualified Products Manual; therefore, companies will not be allowed to list product labels other than their own. The Department will not evaluate or list the same-labeled product in the Qualified Products Lists for multiple distributors, manufacturers, or producers.

#### **F. Initial or Annual Evaluation Submittals**

Submittal of products for Initial Evaluation or Annual Evaluation must be in accordance with this Standard Operating Procedure. The Department will not evaluate any improperly submitted products.

#### **G. Restrictions**

The Office of Materials and Testing may impose restrictions or additional requirements for certain products listed on these QPLs. For example, a product may be approved for QPL listing only if it includes Restriction Code (RC) 1, which states, "This product is approved for use by our Internal GDOT Maintenance Forces only." The product supplier, in conjunction with The Office of Maintenance, may request a status change and the removal of restrictions for these products upon submission of at least three completed evaluated test sections.

### **III. (QPL-92A) Asphalt Rubber Joint and Crack Sealant Type M**

Asphalt Rubber Joint and Crack Seal shall meet the current requirements of Section 407 of the Georgia Department of Transportation Specifications.

#### **A. Sample Requirements**

1 Box (30 lbs.) of material.

#### **B. Warranty Letter:**

"This is to warrant that the product (Product Trade Name) as manufactured and sold by (Company Name) is an Asphalt Rubber Joint and Crack Sealant meeting the current requirements of Section 407 of the Georgia Department of Transportation Specifications. This material shall be manufactured under strict formulation and quality control. Changes of formulation will constitute a new product which will be submitted for approval under a new product name."

"(Company Name) agrees to abide by and cooperate with the Georgia Department of Transportation's control procedures as established in the Standard Operating Procedure for Acceptance of Asphalt Rubber Joint and Crack Sealant (SOP 22)."

"This certificate of guarantee supersedes all previous certificates and shall remain in effect as long as this company continues to furnish material to or for Georgia Department of Transportation construction or maintenance projects under the privileges of the Approved List of Suppliers of Asphalt Rubber Joint and Crack Seal (QPL 92A)."

Include remainder of Warranty from Section II-C.

### **IV.(QPL-92B) Asphalt Rubber Joint and Crack Sealant Type S**

Asphalt Rubber Joint and Crack Seal shall meet the current requirements of Section 407 of the Georgia Department of Transportation Specifications.

#### **A. Sample Requirements**

1 Box (30 lbs.) of material.

#### **B. Warranty Letter:**

"This is to warrant that the product (Product Trade Name) as manufactured and sold by (Company Name) is an Asphalt Rubber Joint and Crack Sealant meeting the current requirements of Section 407 of the Georgia Department of Transportation Specifications. This material shall be manufactured under strict formulation and quality control. Changes of formulation will constitute a new product which will be submitted for approval under a new product name."

"(Company Name) agrees to abide by and cooperate with the Georgia Department of Transportation's control procedures as established in the Standard Operating Procedure for Acceptance of Asphalt Rubber Joint and Crack Sealant (SOP 22)."

"This certificate of guarantee supersedes all previous certificates and shall remain in effect as long as this company continues to furnish material to or for Georgia Department of Transportation construction or maintenance projects under the privileges of the Approved List of Suppliers of Asphalt Rubber Joint and Crack Seal (QPL 92B)."

Include remainder of Warranty from Section II-C.

### **V.(QPL-92C) Asphalt Rubber Joint and Crack Sealant PMAR**

Asphalt Rubber Joint and Crack Seal shall meet the current requirements of Section 407 of the Georgia Department of Transportation Specifications.

**A. Sample Requirements**

1 Box (30 lbs.) of material.

**B. Warranty Letter:**

“This is to warrant that the product (Product Trade Name) as manufactured and sold by (Company Name) is an Asphalt Rubber Joint and Crack Sealant meeting the current requirements of Section 407 of the Georgia Department of Transportation Specifications. This material shall be manufactured under strict formulation and quality control. Changes of formulation will constitute a new product which will be submitted for approval under a new product name.”

“(Company Name) agrees to abide by and cooperate with the Georgia Department of Transportation’s control procedures as established in the Standard Operating Procedure for Acceptance of Asphalt Rubber Joint and Crack Sealant (SOP 22).”

“This certificate of guarantee supersedes all previous certificates and shall remain in effect as long as this company continues to furnish material to or for Georgia Department of Transportation construction or maintenance projects under the privileges of the Approved List of Suppliers of Asphalt Rubber Joint and Crack Seal (QPL 92C).”

Include remainder of Warranty from Section II-C.

**VI.(QPL-92D) Joint and Crack Mastic Material**

Joint and Crack Mastic Material shall be evaluated through use by the The Office of Maintenance Forces using field trials and test sections. Approval of each product will be based on a one (1) year evaluation of the in-place test sections. Products approved on QPL-92D are restricted to use by GDOT’s Maintenance Forces only.

**A. Sample Requirements**

1 Box (30 lbs.) of material.

**B. Warranty Letter:**

“This is to warrant that the product (Product Trade Name) as manufactured and sold by (Company Name) is an Joint and Crack Mastic Material that shall be manufactured under strict formulation and quality control. Changes of formulation will constitute a new product which will be submitted for approval under a new product name.”

“(Company Name) agrees to abide by and cooperate with the Georgia Department of Transportation’s control procedures as established in the Standard Operating Procedure for Acceptance of Asphalt Rubber Joint and Crack Sealant and Mastic Materials (SOP 22).”

“This certificate of guarantee supersedes all previous certificates and shall remain in effect as long as this company continues to furnish material to or for Georgia Department of Transportation’s maintenance forces under the privileges of the Approved List of Suppliers of Joint and Crack Mastic Material (QPL 92D).”

Include remainder of Warranty from Section II-C.

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State Materials Engineer

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Director of Construction